



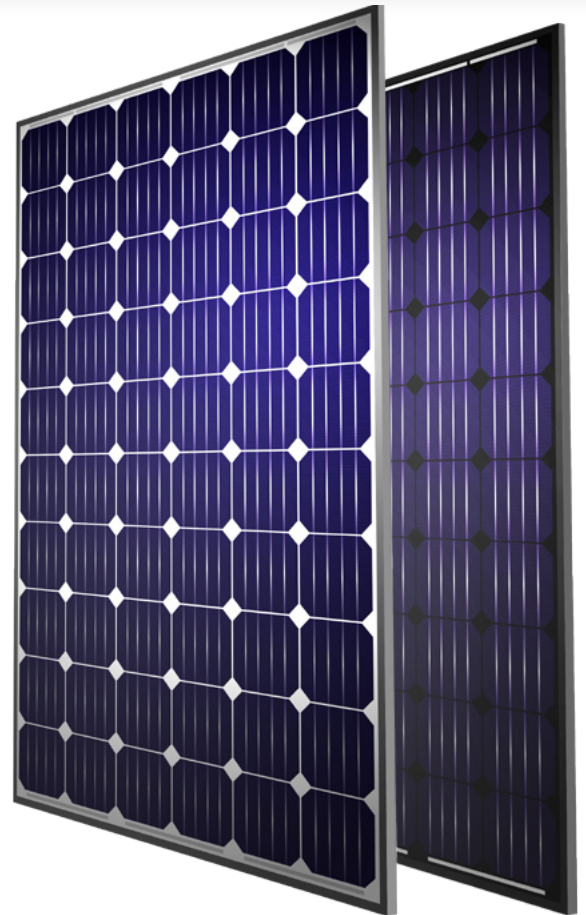
## EUROPEAN QUALITY

### Quality

- / Subjected to test electroluminescence
- / IP65 + 1 m cable
- / High transmissivity glass and high resistance
- / Frame with higher mechanical strength and air chamber
- / Friendly environment & recyclable materials

### Certificates

- / IEC 61215:2005
- / IEC 61730-1:2004 / IEC 61730-2:2004
- / Frontal load (snow) 5.400 Pa
- / Back load (wind) 2.400 Pa
- / Fire Resistance Certificate / Class I (under standard UNI 9177)
- / MCS (UK)
- / EE016-20130528-001 (France)
- / WEEE compliance in Germany
- / ETL Listed Mark (USA-Canada)



Extra power  
extra up to 3%  
extra up to 7W

PHOTON Laboratory talks about our modules:

*"Eurener is one of the oldest module manufacturers in Europe: the Spanish company was founded in 1997. [...] Is distinguished by having values that are over the average: the temperature coefficient is quite better than other modules that are in the test field. The curve behavior at different irradiance conditions shows a marked efficiency increase in radiations from medium to high, and a slight drop in efficiency at low irradiance conditions. These factors show that this module could reach higher performance than the average in long-term measurements".*



# MEPV - Monocrystalline

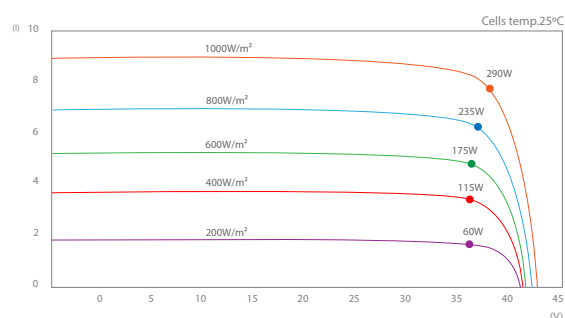
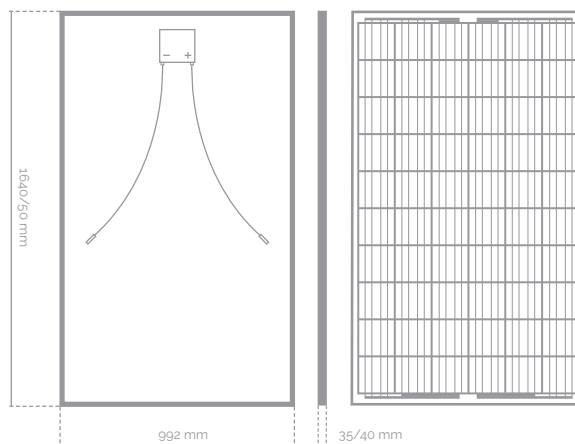
Standard - All Black / 280 / 290 / 300 W

25 years performance warranty  
15 years warranty product



## Technical features

<b>Frame</b>
Black / Silver anodized aluminium 0,015 mm
Robust and resistant to corrosion
Built-in plug
<b>Connection box</b>
Sealed, robust and wide for heat dissipation
IP65 according to IEC 60529
Diodes by-pass built-in (3) for protection of the partial shading
Connector MC4 or compatible, easy and rapid connection
Cables 1 meter length and 4mm <sup>2</sup> section
Reaction to Fire Class I (conformity to UNI 9177 norm)
<b>Frontal</b>
3,2 mm tempered glass
Textured, extra-clear with low iron content
<b>Solar cells</b>
60 cells monocrystalline silicon / 156x156 mm
<b>Weight and dimensions</b> (L x W) +/-1% mm
20 Kg   1640/50 x 992 x 35/40 mm



## Electric data

Standard - All Black	MEPV 280	MEPV 290	MEPV 300
Nominal power, P <sub>mpp</sub>	280 W	290 W	290 W
Tolerance, P <sub>mpp</sub>	0 / +3%	0 / +3%	0 / +3%
Area of the module	1,62		
Module efficiency	17,28%	17,90%	18,52%
I <sub>sc</sub>	9,03 A	9,18 A	9,24 A
U <sub>oc</sub>	39,91 V	40,59 V	40,85 V
I <sub>mp</sub>	8,91 A	9,12 A	9,31 A
U <sub>mp</sub>	31,43 V	31,80 V	32,22 V
Maximum voltage	1000 V		
α I <sub>sc</sub>	0,042% / °C		
β U <sub>oc</sub>	- 0,20% / °C		
γ P <sub>max</sub>	- 0,40% / °C		
Temperature range	- 40°C to +85°C		
NOCT	44°C ± 2°C		

NOTE: Read the instruction manual of this product and follow the indications. Values are valid for: 1000W/m<sup>2</sup>, AM 1.5 and cell's temperature of 25°C. All the information of this brochure may be amended without notice by Eurener.